



Metropolitan**Planning**Council

Implementing Community-Driven Stormwater Solutions

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Overview

- Introduction
- Getting the community involved
 - Milwaukee Avenue Corridor
 - Downspout Disconnection
- Funding
 - Coordinating public and private investments
 - External Sources
 - Community-Driven Sources



MPC's Recent Water Policy Work

Policy research

- *Lost Water* – An assessment of 1999-2010 water loss accounting forms from Lake Michigan communities (forthcoming)
- Northwest Water Planning Alliance

Policy advocacy

- Ill. HB 4496 – Establishes a timeline for updating the Illinois Plumbing Code
- What Our Water's Worth (www.chicagolandh2o.org)

Policy implementation

- Milwaukee Avenue Green Development Corridor (www.logansquareh2o.org)
- Lake Zurich Integrated Water Resources Strategy (forthcoming)

Types of Green Infrastructure

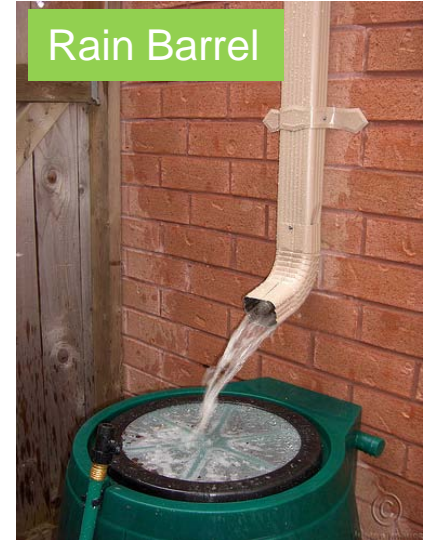
Green Roof



Rain Garden



Rain Barrel



Tree Trench



Bioswale



Permeable Pavers



Milwaukee Avenue Green Development Corridor





Milwaukee Avenue Green Development Corridor

\$200,000 from Ill. EPA's Green Infrastructure Grant program
Can provide up to 75% of total project cost

Partners:

Metropolitan Planning Council

City of Chicago 35th Ward

Ill. Environmental Protection Agency

Chicago Community Loan Fund

Project advisory group



GETTING THE COMMUNITY INVOLVED

Milwaukee Avenue Green Development Corridor

- [Milwaukee Avenue Green Development Corridor](#) grant program
- CDOT's Woodard Plaza
- CDOT's green alleys
- Chicago Rarities Orchard Project
- Paseo Prairie
- Logan Square Bicentennial Improvements Project
- Goethe School site rehabilitation
- Chicago Sustainable Backyard Program

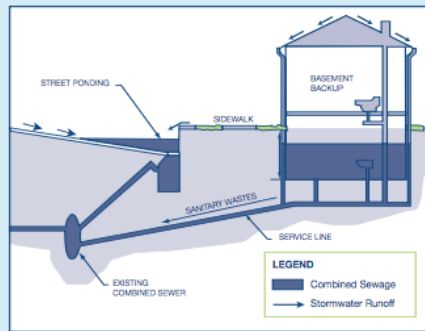
Milwaukee Avenue Grant details

- This is a reimbursement grant
 - Some property owners will be eligible for an upfront bridge loan from Chicago Community Loan Fund
- Program will cover up to 75% of total project cost
 - We would prefer to cover less
 - Applicant is responsible for all design/engineering/permitting costs
 - Operations and maintenance are not included
 - Please seek other funding sources
 - You can reduce your share to 15% of total cost, no more

Downspout Disconnection

When disconnection is appropriate

I. Basement Flooding



What to do with the water

- Rain barrel
- Rain garden
- Permeable pavement



Downspout Disconnection

- **Cut downspout using a hacksaw.** To ensure an accurate cut, take into account the length of the downspout elbow, about 4 inch gap between top of barrel and bottom of elbow for removing debris, and raised base.
- **Attach a downspout elbow** with screws or PVC cement.
- **Plug the sewer hole** where your downspout once connected at the ground with a rubber plug.



How-to video:

http://www.youtube.com/watch?v=BNJ0mH4_M9M

Sustainable Backyards Rebates

1. Buy a tree, native plant, compost bin, and/or rain barrel
2. Fill out rebate form (at garden centers or online)
3. Mail in completed rebate form with original receipt
4. Get check in the mail for up to 50% back:
 - Trees – up to \$100 rebate
 - Native plants – up to \$60 rebate
 - Compost bins – up to \$50 rebate
 - Rain barrels – up to \$40 rebate

Property Owner Engagement

- Education/outreach
 - Benefits
 - Considerations
 - Cost and commitment
- Demonstrations and trainings
 - Installation
 - Maintenance
 - Ongoing communications

FUNDING

Funding

Coordinating public and private investment



External Funding Sources

- Illinois Green Infrastructure Grant
- U.S. EPA Urban Waters
- State Revolving Loan Fund
- National Fish and Wildlife Foundation
- Lake County Stormwater Management Commission BMP Implementation RFP (IEPA 319(h) Grants)
- Illinois Department of Natural Resources various small grants

Illinois Green Infrastructure Grant (IGIG)

- FY 2012 - \$5 million – reimbursement & match
- Expected applicants: municipalities, sanitary districts, park districts, watershed groups, nonprofits

ELIGIBLE COSTS

Administration (limited)
Design and engineering
Construction/Planting
Construction oversight

INELIGIBLE COSTS

Education or outreach
Monitoring
Work done outside
the grant period

Illinois Green Infrastructure Grant (IGIG)

- Combined sewer overflow rehabilitation
- Stormwater retention & infiltration
- Green infrastructure small project

2011 IGIG Award Recipients

| Location | Award Amount | Project | Type |
|-------------------|--------------|---|-------------------------------------|
| Joliet | \$820,000 | Footing Tile Separation Program | CSO Rehabilitation |
| Elgin | \$634,000 | Lord Street Basin CSO GI Retrofit | CSO Rehabilitation |
| Riverside | \$503,000 | Riverside Green Pavement Projects | CSO Rehabilitation |
| Elmwood Park | \$399,000 | Elmwood Park Green Alleys Project | CSO Rehabilitation |
| Galesburg | \$255,000 | Footing Drain Disconnection Program | CSO Rehabilitation |
| Niles | \$202,000 | Niles Bio-Infiltration Facility | CSO Rehabilitation |
| Danville | \$750,000 | Danville High School Campus Improvement | Stormwater Retention & Infiltration |
| Alton | \$510,000 | Alton Riparian Zone Restoration | Stormwater Retention & Infiltration |
| Northbrook | \$327,000 | Greenbriar School | Stormwater Retention & Infiltration |
| Chicago/35th Ward | \$200,000 | Milwaukee Ave. Green Development Corridor | Stormwater Retention & Infiltration |
| Western Springs | \$73,000 | Sustainable Sites Initiative at Commonwealth in the Village | Small Project |
| Chicago/BAPA | \$72,000 | Green Parking Lot and Rain Garden | Small Project |
| Aurora | \$70,000 | Downer Place Bio-Infiltration Project | Small Project |
| Springfield | \$56,000 | GI BMPs at Illinois State Fairgrounds | Small Project |

2012 IGIG Award Recipients

| Recipient | Award Amount | Project | Description |
|--|--------------|---|---|
| Village of Franklin Park | \$985,000 | Village of Franklin Park Police Station | Cistern, permeable parking and pavement, bio-swale and wetland |
| City of Aurora | \$1,451,667 | Green Infrastructure Combined Sewer Overflow Program | 112 rain gardens and two permeable pavement areas at 28 road intersections |
| Village of LaGrange | \$489,000 | Parking Lot 13 Green Infrastructure Retrofit | Retrofit commuter parking lot to permeable pavement |
| Friends of Goethe School, Logan Square neighborhood, Chicago | \$750,000 | 21st Century Sustainable Schoolyard | Retrofit schoolyard for stormwater treatment; rain gardens, permeable pavement and play areas and cisterns |
| Urban Juncture, Inc., Chicago | \$404,656 | Bronzeville Cookin' Demonstration Roof and Parking Facility | Green roof, rooftop cistern and permeable parking at redeveloped warehouse |
| Fox-Atkins Development LLC, University of Illinois campus, Champaign | \$51,342 | I Hotel and Conference Center Green Roof System | Green roof |
| Preservation of Affordable Housing, Ward 20, Chicago | \$75,000 | Woodlawn Center North Apartments | Implementing neighborhood best management practices (rain barrels, rain gardens, permeable pavement and planters) |
| Village of Schaumburg | \$75,000 | Terada Park Green Infrastructure Improvements | Retrofit pond to stormwater retention facility |
| Village of Glenview | \$7,114 | Waukegan Road Urban Rain Garden | Large rain garden at major road intersection |
| City of Chicago | \$75,000 | Permeable Pavement and Structural Soil Demonstration at the Chicago Center for Green Technology | Demonstrate four to six different permeable pavements |

Community-Driven Funding

- Integrated planning
- Stormwater land banking
- Tax increment financing (TIF)
- Private property owner participation
 - Stormwater utility fees
 - Special service areas (SSAs)
 - Conservation easements

Contact Us:

Metropolitan Planning Council

www.metroplanning.org

www.chicagolandh2o.org

www.logansquareh2o.org

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